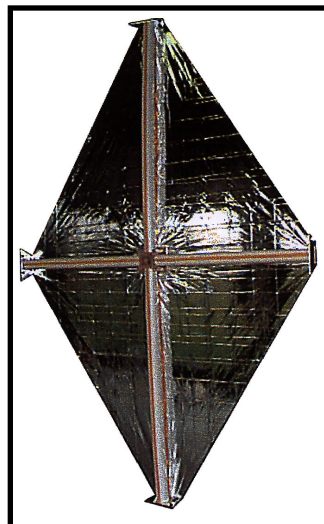
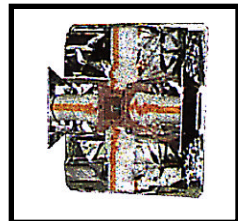
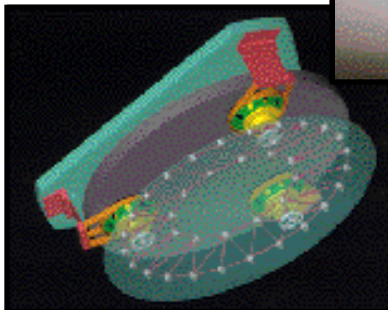
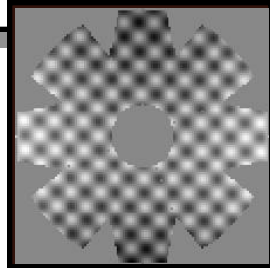
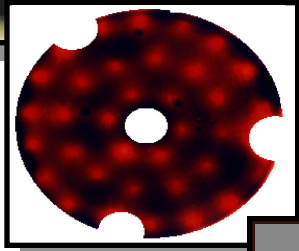
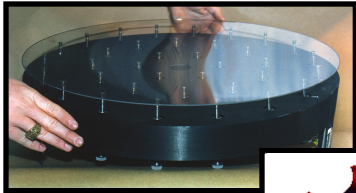


## Hardware Portfolio



### *Next Generation Space Telescope*



- Early emphasis on rapid prototyping of hardware/software rather than the typical document-based approach
  - Adjust requirements to maintain “build-to-cost”
- Developing metrics to gauge progress as a function of time in key technology areas
  - Quantitative measures, such as “wavefront quality after phasing” or “lines of code”
- Developing ground testbeds for use throughout the project life
- Use validation flight pathfinders as programmatic and technical confidence builders